

s/n: 10/790,791
date: 12/19/06

1451 ((359/822) or (396/342,437)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/19/06 22:44
12179 @ad>="20060701"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/19/06 22:45
844554 @pd>="20060701"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/19/06 22:45
845931 20 or 21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/19/06 22:45
18 19 and 22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/19/06 22:45
3810 lens with angle with film	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/19/06 23:18
5333 lens with angle with (film or ccd)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/19/06 23:18
127 lens near2 angle near2 (film or ccd)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/19/06 23:21
(refract\$4 and object and radiat\$4 and image and control and angle 48 and space).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/19/06 23:21
N/A (396/342,437).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/19/06 22:44
N/A ("643711").URPN.	USPAT	7/6/06 21:49
N/A ("0643711").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	7/6/06 21:49
0 ("643711").URPN.	USPAT	7/6/06 21:49
2 ("0643711").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	7/6/06 21:49
((359/822,819,817,811,813,812) or (353/100,101) or (396/298,342,437,529) or (362/455) or (356/239.1,239.2,399,125,139.1)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	7/6/06 21:18
N/A ((359/822,819,817,811,813,812) or (353/100,101) or (396/298,342,437,529) or (362/455) or 8854 (356/239.1,239.2,399,125,139.1)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	7/6/06 21:18
N/A S73 and S74	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	7/6/06 21:13
N/A S39 or S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	7/6/06 21:13
N/A S75 not S76	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	7/6/06 21:13

13 S73 and S74	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	7/6/06 21:13
1706 S39 or S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	7/6/06 21:13
4 S75 not S76	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	7/6/06 21:13
((359/822,819,817,811,813,812) or (353/100,101) or 6789 (396/298,342,437,529) or (362/455)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	7/6/06 21:12
N/A (((charge\$2 adj couple\$2 adj device) or ccd or cmos or photodetector or photosensor or photodiode) near3 (tilt\$3)) with (lens or optic\$3)	US-PGPUB; USPAT; USOCR	7/6/06 21:12
N/A (((charge\$2 adj couple\$2 adj device) or ccd or cmos or photodetector or photosensor or photodiode) near3 (tilt\$3 or yaw\$3 or angle\$3 or angular)) with (lens or optic\$3)	US-PGPUB; USPAT; USOCR	7/6/06 21:12
181 (((charge\$2 adj couple\$2 adj device) or ccd or cmos or photodetector or photosensor or photodiode) near3 (tilt\$3)) with (lens or optic\$3)	US-PGPUB; USPAT; USOCR	7/6/06 21:12
1038 (((charge\$2 adj couple\$2 adj device) or ccd or cmos or photodetector or photosensor or photodiode) near3 (tilt\$3 or yaw\$3 or angle\$3 or angular)) with (lens or optic\$3)	US-PGPUB; USPAT; USOCR	7/6/06 21:12
256 S5 not S36	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	7/6/06 21:03
N/A (359/822).CCLS.	USPAT	7/6/06 21:03
N/A ("1118193").URPN.	USPAT	7/6/06 21:03
N/A ("1479923").URPN.	USPAT	7/6/06 21:03
N/A ("1859023").URPN.	USPAT	7/6/06 21:03
N/A ("1859023").URPN.	USPAT	7/6/06 21:03
N/A ("1980546").URPN.	USPAT	7/6/06 21:03
N/A ("1388870" "1980546" "2256517" "3111888" "3479946" "3601027").PN. OR ("3727529").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 21:03
N/A ("2257676").URPN.	USPAT	7/6/06 21:03
N/A ("3262360").URPN.	USPAT	7/6/06 21:03
N/A ("1151008" "1539830" "2285768" "3262360" "3563637" "3951301" "3989358" "4088396").PN. OR ("4614403").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 21:03
N/A ("2452592" "3359849").PN. OR ("3989358").URPN. ("2493770" "3359849" "3428387" "3433569" "3455026" "3508806" "3511462" "3541338" "3572888" "3720849" "3857643" "3989358" "4012112" "4013280" "4099852" "4627009" "4655548" "4676630" "4676649" "4690507" "4693600" "4712851" "4764791" "4802758").PN. OR ("4936655").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 21:03
N/A ("3215391" "3511462").PN. OR ("4099852").URPN. ("2493770" "3359849" "3428387" "3433569" "3455026" "3508806" "3511462" "3541338" "3572888" "3720849" "3857643" "3989358" "4012112" "4013280" "4099852" "4627009" "4655548" "4676630" "4676649" "4690507" "4693600" "4712851" "4764791" "4802758").PN. OR ("4993809").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 21:03

N/A	("2689102" "3189775" "3204471" "3334959" "3424413" "3511462" "3588025" "3588230" "3588232" "3642353" "3756549" "4088396" "4099852" "4226569" "4304385" "4408830" "4423850").PN. OR ("4655548").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 21:03
N/A	("3424413").URPN.	USPAT	7/6/06 21:03
N/A	("5140470").PN. OR ("5757561").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 21:03
N/A	("3700313" "3814365" "3897139" "3966309" "4687287" "4869583" "4893899" "5019837" "5177644" "5757561" "5930057" "6016230" "6198580" "6304393" "6480347").PN. OR ("6754013").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 21:03
N/A	("2792740" "4666273" "4723845" "4888614" "5117254" "5228051" "5251070" "5289312" "5424552" "5583696" "5671091").PN. OR ("5864433").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 21:03
N/A	("0561797" "1111608" "1420491" "1479691" "1518680" "2079508" "2083472" "2387021" "2673492" "4098009" "4428631" "5450800").PN. OR ("5671091").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 21:03
N/A	("5442860" "5499455" "5619802").PN. OR ("5959789").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 21:03
N/A	("5383168").PN. OR ("5986827").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 21:03
N/A	("4057331" "5748172" "5986827" "6147818" "6388789" "6775043" "6808271").PN. OR ("6972913").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 21:03
N/A	("5138496" "5878017").PN. OR ("6115166").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 21:03
N/A	((charge\$2 adj couple\$2 adj device) or ccd) near3 (tilt\$3 or pitch\$3 or yaw\$3 or angle\$3 or angular)) with (lens or optic\$3)	US-PGPUB; USPAT; USOCR	7/6/06 21:03
N/A	S41 or S42 or S43 or S44 or S45 or S46 or S47 or S48 or S49 or S50 or S51 or S52 or S53 or S54 or S55 or S56 or S57 or S58 or S59 or S60 or S61 or S62 or S63 or S64	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	7/6/06 21:03
N/A	S65 not S66	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	7/6/06 21:03
N/A	("3017454" "3255304" "3586763" "3718751" "4085419" "4107732" "4166280").PN. OR ("4369459").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 21:03
N/A	((charge\$2 adj couple\$2 adj device) or ccd) near3 (tilt\$3 or yaw\$3 or angle\$3 or angular)) with (lens or optic\$3)	US-PGPUB; USPAT; USOCR	7/6/06 21:03
N/A	S66 or S67 or S68 or S69	US-PGPUB; USPAT; USOCR	7/6/06 21:03
N/A	S40 not S70	US-PGPUB; USPAT; USOCR	7/6/06 21:03
N/A	S70 or S71	US-PGPUB; USPAT; USOCR	7/6/06 21:03
	("3017454" "3255304" "3586763" "3718751" "4085419" 14 "4107732" "4166280").PN. OR ("4369459").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 21:03
	256 S40 not S70	US-PGPUB; USPAT; USOCR	7/6/06 21:03
	1577 S70 or S71	US-PGPUB; USPAT; USOCR	7/6/06 21:03
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	751 (396/342,437).CCLS.		7/6/06 21:03

685 (359/822).CCLS. 0 ("1118193").URPN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB USPAT	7/6/06 21:03 7/6/06 21:03
6 ("5138496" "5878017").PN. OR ("6115166").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 21:03
1321 S66 or S67 or S68 or S69 ("1388870" "1980546" "2256517" "3111888" "3479946" 11 "3601027").PN. OR ("3727529").URPN. 2 ("2257676").URPN.	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	7/6/06 21:03 7/6/06 21:03 7/6/06 21:03
467 S65 not S66		
23 ("5383168").PN. OR ("5986827").URPN. ("3700313" "3814365" "3897139" "3966309" "4687287" "4869583" "4893899" "5019837" "5177644" "5757561" "5930057" "6016230" "6198580" "6304393" "6480347").PN. OR 17 ("6754013").URPN. ("2792740" "4666273" "4723845" "4888614" "5117254" "5228051" "5251070" "5289312" "5424552" "5583696" 21 "5671091").PN. OR ("5864433").URPN. 1 ("1980546").URPN. ("2493770" "3359849" "3428387" "3433569" "3455026" "3508806" "3511462" "3541338" "3572888" "3720849" "3857643" "3989358" "4012112" "4013280" "4099852" "4627009" "4655548" "4676630" "4676649" "4690507" "4693600" "4712851" "4764791" "4802758").PN. OR 39 ("4993809").URPN. ("0561797" "11111608" "1420491" "1479691" "1518680" "2079508" "2083472" "2387021" "2673492" "4098009" 29 "4428631" "5450800").PN. OR ("5671091").URPN.	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR USPAT	7/6/06 21:03 7/6/06 21:03 7/6/06 21:03
21 ("5140470").PN. OR ("5757561").URPN. 22 ("3424413").URPN. 0 ("1859023").URPN.	US-PGPUB; USPAT; USOCR USPAT USPAT	7/6/06 21:03 7/6/06 21:03 7/6/06 21:03
21 ("3215391" "3511462").PN. OR ("4099852").URPN. 6 ("1479923").URPN.	US-PGPUB; USPAT; USOCR USPAT	7/6/06 21:03 7/6/06 21:03
5 ("5442860" "5499455" "5619802").PN. OR ("5959789").URPN. S41 or S42 or S43 or S44 or S45 or S46 or S47 or S48 or S49 or S50 or S51 or S52 or S53 or S54 or S55 or S56 or S57 or S58 or S59 or 942 S60 or S61 or S62 or S63 or S64 (((charge\$2 adj couple\$2 adj device) or ccd) near3 (tilt\$3 or pitch\$3 or 469 yaw\$3 or angle\$3 or angular)) with (lens or optic\$3) 1 ("3262360").URPN.	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; USPAT; USOCR USPAT	7/6/06 21:03 7/6/06 21:03 7/6/06 21:03 7/6/06 21:03 7/6/06 21:03
34 ("2452592" "3359849").PN. OR ("3989358").URPN. ("1151008" "1539830" "2285768" "3262360" "3563637" 20 "3951301" "3989358" "4088396").PN. OR ("4614403").URPN. 0 ("1859023").URPN.	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR USPAT	7/6/06 21:03 7/6/06 21:03 7/6/06 21:03

("2493770" "3359849" "3428387" "3433569" "3455026" "3508806" "3511462" "3541338" "3572888" "3720849" "3857643" "3989358" "4012112" "4013280" "4099852" "4627009" "4655548" "4676630" "4676649" "4690507" "4693600" "4712851" "4764791" "4802758").PN. OR				
43	("4936655").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 21:03	
("4057331" "5748172" "5986827" "6147818" "6388789" 7 "6775043" "6808271").PN. OR ("6972913").URPN.				
	(((charge\$2 adj couple\$2 adj device) or ccd) near3 (tilt\$3 or yaw\$3 or 366 angle\$3 or angular)) with (lens or optic\$3)	US-PGPUB; USPAT; USOCR	7/6/06 21:03	
	(((charge\$2 adj couple\$2 adj device) or ccd) near3 (tilt\$3 or pitch\$3 or 469 yaw\$3 or angle\$3 or angular)) with (lens or optic\$3)	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	7/6/06 21:01	
N/A	("2974574").PN.	IBM_TDB US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	7/6/06 20:59	
	3 ("2974574").PN.	IBM_TDB	7/6/06 20:59	
1321	S31 or S32 or S33 or S34 (((charge\$2 adj couple\$2 adj device) or ccd) near3 (tilt\$3 or yaw\$3 or 366 angle\$3 or angular)) with (lens or optic\$3)	US-PGPUB; USPAT; USOCR	7/6/06 13:15	
	0 ("2001/0055164").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 13:14	
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	S6 or S7 or S8 or S9 or S10 or S11 or S12 or S13 or S14 or S15 or S16 or S17 or S18 or S19 or S20 or S21 or S22 or S23 or S24 or S25 942 or S26 or S27 or S28 or S29	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	7/6/06 12:02	
	467 S30 not S31	IBM_TDB US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	7/6/06 12:01	
685	(359/822).CCLS.	IBM_TDB	7/6/06 12:00	
	6 ("5138496" "5878017").PN. OR ("6115166").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 11:58	
	("4057331" "5748172" "5986827" "6147818" "6388789" 7 "6775043" "6808271").PN. OR ("6972913").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 11:47	
23	("5383168").PN. OR ("5986827").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 11:46	
	5 ("5442860" "5499455" "5619802").PN. OR ("5959789").URPN. ("0561797" "11111608" "1420491" "1479691" "1518680" "2079508" "2083472" "2387021" "2673492" "4098009" 29 "4428631" "5450800").PN. OR ("5671091").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 11:43	
	("2792740" "4666273" "4723845" "4888614" "5117254" "5228051" "5251070" "5289312" "5424552" "5583696" 21 "5671091").PN. OR ("5864433").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 11:35	
	("3700313" "3814365" "3897139" "3966309" "4687287" "4869583" "4893899" "5019837" "5177644" "5757561" "5930057" "6016230" "6198580" "6304393" "6480347").PN. OR 17 ("6754013").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 11:21	
	21 ("5140470").PN. OR ("5757561").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 11:16	
	22 ("3424413").URPN.	USPAT	7/6/06 11:05 7/6/06 10:29	

("2689102" "3189775" "3204471" "3334959" "3424413" "3511462" "3588025" "3588230" "3588232" "3642353" "3756549" "4088396" "4099852" "4226569" "4304385" 54 "4408830" "4423850").PN. OR ("4655548").URPN. ("2493770" "3359849" "3428387" "3433569" "3455026" "3508806" "3511462" "3541338" "3572888" "3720849" "3857643" "3989358" "4012112" "4013280" "4099852" "4627009" "4655548" "4676630" "4676649" "4690507" "4693600" "4712851" "4764791" "4802758").PN. OR 39 ("4993809").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 10:26
21 ("3215391" "3511462").PN. OR ("4099852").URPN. ("2493770" "3359849" "3428387" "3433569" "3455026" "3508806" "3511462" "3541338" "3572888" "3720849" "3857643" "3989358" "4012112" "4013280" "4099852" "4627009" "4655548" "4676630" "4676649" "4690507" "4693600" "4712851" "4764791" "4802758").PN. OR 43 ("4936655").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 10:13
34 ("2452592" "3359849").PN. OR ("3989358").URPN. ("1151008" "1539830" "2285768" "3262360" "3563637" 20 "3951301" "3989358" "4088396").PN. OR ("4614403").URPN. 1 ("3262360").URPN. 2 ("2257676").URPN. ("1388870" "1980546" "2256517" "3111888" "3479946" 11 "3601027").PN. OR ("3727529").URPN. 1 ("1980546").URPN. 0 ("1859023").URPN. 0 ("1859023").URPN. 6 ("1479923").URPN. 0 ("1118193").URPN.	US-PGPUB; USPAT; USOCR	7/6/06 10:00
751 (396/342,437).CCLS.	US-PGPUB; USPAT; USOCR USPAT USPAT	7/6/06 9:58 7/6/06 9:56 7/6/06 9:45
24 S1 and (lens or optic\$4) AHN-HYEONG\$2MIN\$9.in. or LEE-DONG\$2HEE\$9.in. or KIM- 55 CHANG\$2HYO\$9.in. or JEON-HYOUNG\$2JO\$9.in.	US-PGPUB; USPAT; USOCR EPO; JPO; DERWENT; IBM_TDB US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	7/6/06 9:44 7/6/06 9:43 7/6/06 9:42 7/6/06 9:42 7/6/06 9:41 7/6/06 9:27 7/6/06 9:09 7/6/06 9:06 7/6/06 9:04

Interference Search History

s/n: 10/790,791
date: 12/19/06

(refract\$4 and object and radiat\$4 and image and control and angle
48 and space).clm.

US-PGPUB; USPAT

12/19/06 23:21